

SCORE Search Results Details for Application 10687035 and Search Result 20080310_154559_us-10-687-035-1_copy_14_452.rapbn.

Score Home	Retrieve Application	SCORE System	SCORE	Comments /
Page	List	Overview	FAQ	Suggestions

This page gives you Search Results detail for the Application 10687035 and Search Result 20080310_154559_us-10-687-035-1_copy_14_452.rapbn.

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OM protein - protein search, using sw model

Run on: March 11, 2008, 01:50:38 ; Search time 29 Seconds
(without alignments)
157.489 Million cell updates/sec

Title: US-10-687-035-1_COPY_14_452
Perfect score: 2321
Sequence: 1 FTHRSSVSTTSTPGTPTVYL.....HGVTQLGFYVLDRDSLFIN 439

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 50444 seqs, 10403607 residues

Total number of hits satisfying chosen parameters: 50444

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA_New:*
1: /ABSS/Data/CRF/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
2: /ABSS/Data/CRF/ptodata/2/pubpaa/US11_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result		%	Query					
No.	Score	Match	Length	DB	ID		Description	
1	2301	99.1	1148	2	US-11-599-845A-124		Sequence 124, App	

2	424	18.3	104	2	US-11-599-845A-128	Sequence 128, App
3	155	6.7	174	2	US-11-599-845A-126	Sequence 126, App
4	114.5	4.9	1475	2	US-11-537-311-346	Sequence 346, App
5	98	4.2	1395	2	US-11-779-243-105	Sequence 105, App
6	94	4.0	718	2	US-11-624-750-7	Sequence 7, Appli
7	92	4.0	1002	1	US-10-692-382-14	Sequence 14, Appl
8	91	3.9	1225	1	US-10-692-382-1063	Sequence 1063, Ap
9	91	3.9	1242	1	US-10-692-382-1065	Sequence 1065, Ap
10	91	3.9	1242	1	US-10-692-382-1073	Sequence 1073, Ap
11	91	3.9	1645	2	US-11-812-518-364	Sequence 364, App
12	91	3.9	2074	2	US-11-812-518-365	Sequence 365, App
13	91	3.9	2224	2	US-11-812-518-392	Sequence 392, App
14	91	3.9	2224	2	US-11-812-518-393	Sequence 393, App
15	90.5	3.9	2944	2	US-11-820-004-92	Sequence 92, Appl
16	90	3.9	683	2	US-11-624-750-5	Sequence 5, Appli
17	88.5	3.8	10498	2	US-11-614-716-440	Sequence 440, App
18	88	3.8	555	2	US-11-809-365-8	Sequence 8, Appli
19	87.5	3.8	480	1	US-10-692-382-658	Sequence 658, App
20	87	3.7	570	2	US-11-809-365-4	Sequence 4, Appli
21	87	3.7	974	2	US-11-165-424-161	Sequence 161, App
22	87	3.7	1459	2	US-11-820-004-69	Sequence 69, Appl
23	86.5	3.7	2225	1	US-10-692-382-2426	Sequence 2426, Ap
24	86	3.7	683	2	US-11-624-750-6	Sequence 6, Appli
25	86	3.7	686	2	US-11-624-750-19	Sequence 19, Appl
26	86	3.7	686	2	US-11-624-750-21	Sequence 21, Appl
27	86	3.7	754	1	US-10-692-382-3488	Sequence 3488, Ap
28	86	3.7	754	1	US-10-692-382-3492	Sequence 3492, Ap
29	86	3.7	790	1	US-10-692-382-3490	Sequence 3490, Ap
30	86	3.7	790	1	US-10-692-382-3494	Sequence 3494, Ap
31	86	3.7	1730	1	US-10-692-382-478	Sequence 478, App
32	86	3.7	2213	1	US-10-692-382-2431	Sequence 2431, Ap
33	85.5	3.7	5858	1	US-10-585-725-82	Sequence 82, Appl
34	85	3.7	555	2	US-11-809-365-2	Sequence 2, Appli
35	85	3.7	555	2	US-11-809-365-6	Sequence 6, Appli
36	85	3.7	585	2	US-11-779-243-162	Sequence 162, App
37	85	3.7	585	2	US-11-779-243-165	Sequence 165, App
38	85	3.7	1471	1	US-10-692-382-1056	Sequence 1056, Ap
39	84.5	3.6	878	1	US-10-692-382-532	Sequence 532, App
40	84.5	3.6	878	1	US-10-692-382-534	Sequence 534, App
41	84.5	3.6	3089	2	US-11-820-004-76	Sequence 76, Appl
42	84	3.6	2162	1	US-10-692-382-2884	Sequence 2884, Ap
43	84	3.6	2162	1	US-10-692-382-2888	Sequence 2888, Ap
44	83.5	3.6	503	1	US-10-560-103-4	Sequence 4, Appli
45	83.5	3.6	548	2	US-11-656-495-5811	Sequence 5811, Ap

ALIGNMENTS

RESULT 1

US-11-599-845A-124

; Sequence 124, Application US/11599845A

; Publication No. US20080025981A1

; GENERAL INFORMATION:

; APPLICANT: Young, Paul E.

```

; APPLICANT: Ebner, Reinhard
; APPLICANT: Weaver, Zoe
; APPLICANT: Strovel, Jeffrey W.
; APPLICANT: Horrigan, Stephen K.
; APPLICANT: Shea, Martin
; APPLICANT: Weigle, Bernd
; APPLICANT: Rieger, Michael
; APPLICANT: Rick, Jennifer A.
; APPLICANT: Cain, Colyn B.
; TITLE OF INVENTION: Cancer-linked Genes as Target for Chemotherapy
; FILE REFERENCE: 689290-273
; CURRENT APPLICATION NUMBER: US/11/599,845A
; CURRENT FILING DATE: 2006-11-15
; PRIOR APPLICATION NUMBER: 10/585,466
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: PCT/US2005/000040
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: 10/583,832
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: PCT/US2004/42406
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: 10/575,337
; PRIOR FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: PCT/US2004/33072
; PRIOR FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: 10/540,310
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: PCT/US2003/40710
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: 10/518,039
; PRIOR FILING DATE: 2003-06-10
; PRIOR APPLICATION NUMBER: PCT/US2003/19741
; PRIOR FILING DATE: 2003-06-10
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 769
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 124
;   LENGTH: 1148
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-599-845A-124

```

Query Match 99.1%; Score 2301; DB 2; Length 1148;
Best Local Similarity 99.5%; Pred. No. 9.2e-197;
Matches 437; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy	1	FTHRSSVSTTSTPGTPTVYLGASKTPASIFGPSAASHLLILFTLNFTITNLRYEENMWPG	60
Db	393	FTHRSSVSTTSTPGTPTVYLGASKTPASIFGPSAASHLLILFTLNFTITNLRYEENMWPG	452
Qy	61	SRKFNTTERVLQGLLRPLFKNTSVGPLYSGCRLTLLRPEKDGEATGVDAICTHRPDPTGP	120
Db	453	SRKFNTTERVLQGLLRPLFKNTSVGPLYSGSRLTLLRPEKDGEATGVDAICTHRPDPTGP	512
Qy	121	GLDREQLYLELSQLTHSITELGPYTLDRDSLYVNGFTHRSSVPTTSTGVVSEEPFTLNFT	180

Db	513	 GLDREQLYLELSQLTHSITELGPYTLDRDSLTVNGFTHRSSVPTTSTGTVSEEPFTLNFT	572
Qy	181	 INNLRYMADMGQPGSLKFNITDNVMKHLLSPLFQRSSLGARYTGCRVIALRSVKNGAETR	240
Db	573	 INNLRYMADMGQPGSLKFNITDNVMKHLLSPLFQRSSLGARYTGCRVIALRSVKNGAETR	632
Qy	241	 VDLLCTYLQPLSGPGLPIKQVFHELSSQQTHGITRLGPYSLDKDSLVLNGYNEPGPDEPPT	300
Db	633	 VDLLCTYLQPLSGPGLPIKQVFHELSSQQTHGITRLGPYSLDKDSLVLNGYNEPGLDEPPT	692
Qy	301	 TPKPATTFLPPLSEATTAMGYHLKTLTLNFTISNLQYSPDMGKGSATFNSTEGVLQHLLR	360
Db	693	 TPKPATTFLPPLSEATTAMGYHLKTLTLNFTISNLQYSPDMGKGSATFNSTEGVLQHLLR	752
Qy	361	 PLFQKSSMGPFYLGCLISLRPEKDGAAATGVDTTCTYHPDPVGPGLDIQQLYWELSQLTH	420
Db	753	 PLFQKSSMGPFYLGCLISLRPEKDGAAATGVDTTCTYHPDPVGPGLDIQQLYWELSQLTH	812
Qy	421	 GVTQLGFYVLDRLSLFING	439
Db	813	 GVTQLGFYVLDRLSLFING	831

RESULT 2

US-11-599-845A-128

; Sequence 128, Application US/11599845A
; Publication No. US20080025981A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul E.
; APPLICANT: Ebner, Reinhard
; APPLICANT: Weaver, Zoe
; APPLICANT: Strovel, Jeffrey W.
; APPLICANT: Horrigan, Stephen K.
; APPLICANT: Shea, Martin
; APPLICANT: Weigle, Bernd
; APPLICANT: Rieger, Michael
; APPLICANT: Rick, Jennifer A.
; APPLICANT: Cain, Colyn B.
; TITLE OF INVENTION: Cancer-linked Genes as Target for Chemotherapy
; FILE REFERENCE: 689290-273
; CURRENT APPLICATION NUMBER: US/11/599,845A
; CURRENT FILING DATE: 2006-11-15
; PRIOR APPLICATION NUMBER: 10/585,466
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: PCT/US2005/000040
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: 10/583,832
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: PCT/US2004/42406
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: 10/575,337
; PRIOR FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: PCT/US2004/33072
; PRIOR FILING DATE: 2004-10-07

```
; PRIOR APPLICATION NUMBER: 10/540,310
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: PCT/US2003/40710
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: 10/518,039
; PRIOR FILING DATE: 2003-06-10
; PRIOR APPLICATION NUMBER: PCT/US2003/19741
; PRIOR FILING DATE: 2003-06-10
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 769
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 128
;   LENGTH: 104
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-599-845A-128
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Query Match 18.3%; Score 424; DB 2; Length 104;
Best Local Similarity 81.7%; Pred. No. 3.2e-31;
Matches 85; Conservative 2; Mismatches 3; Indels 14; Gaps 2;

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Qy      302 PKPATIFLPPLSEATTAMGYHLKTLTLNFTISNLQYSPDMGKGSATFNSTEGVLQHLLRP 361
          ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 PKPATIFLPPLSEATTAMGYHLKTLTLNFTISNLQYSPDMGKGSATFNSTEGVLQHLLRP 60

Qy      362 LFQKSSMGPFFYLGCLISLRPEKDGAATGVDTTCTYHPDPVGP 405
          ||||||||||||||||| || | : : ||
Db      61 LFQKSSMGPFFYLGCLISLR-----LCT--PEFINPG 90

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RESULT 3

US-11-599-845A-126

```
; Sequence 126, Application US/11599845A
; Publication No. US20080025981A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul E.
; APPLICANT: Ebner, Reinhard
; APPLICANT: Weaver, Zoe
; APPLICANT: Strovel, Jeffrey W.
; APPLICANT: Horrigan, Stephen K.
; APPLICANT: Shea, Martin
; APPLICANT: Weigle, Bernd
; APPLICANT: Rieger, Michael
; APPLICANT: Rick, Jennifer A.
; APPLICANT: Cain, Colyn B.
; TITLE OF INVENTION: Cancer-linked Genes as Target for Chemotherapy
; FILE REFERENCE: 689290-273
; CURRENT APPLICATION NUMBER: US/11/599,845A
; CURRENT FILING DATE: 2006-11-15
; PRIOR APPLICATION NUMBER: 10/585,466
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: PCT/US2005/000040
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: 10/583,832
; PRIOR FILING DATE: 2004-12-16
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; PRIOR APPLICATION NUMBER: PCT/US2004/42406
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: 10/575,337
; PRIOR FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: PCT/US2004/33072
; PRIOR FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: 10/540,310
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: PCT/US2003/40710
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: 10/518,039
; PRIOR FILING DATE: 2003-06-10
; PRIOR APPLICATION NUMBER: PCT/US2003/19741
; PRIOR FILING DATE: 2003-06-10
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 769
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 126
; LENGTH: 174
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-599-845A-126

Query Match 6.7%; Score 155; DB 2; Length 174;
Best Local Similarity 30.6%; Pred. No. 5.5e-07;
Matches 38; Conservative 26; Mismatches 50; Indels 10; Gaps 3;

Qy 57 MWPGSRKFNTTERTV-----LQGLLRPLFKNTSVGPLYSGCRLTLLRPEKDGEATGVDAIC 111
| |:| || :: | ||::|: :| |:: | : |||::|
Db 1 MKTGTRSIKDQERKRNKRNIEDALNQLFRNSSIKSYFSDCQVSTFRSVPNRHHTGVDSL 60

Qy 112 THRPDPTGPGLDREQLYLELSQLTHSITELGPYTLDRDSLIVNGFTHRSSVPTTSTGVVS 171
| :|| :| | ::| : |:| :||| |: |:|:: : | | |
Db 61 NF--SPLARRVDRVAIYEEFLRMTRNGTQLQNFTLDRSSVLVDGYSPNRNEPLTGN---S 115

Qy 172 EEPF 175
: ||
Db 116 DLPF 119

RESULT 4
US-11-537-311-346
; Sequence 346, Application US/11537311
; Publication No. US20080038264A1
; GENERAL INFORMATION:
; APPLICANT: BODARY, SARAH C.
; APPLICANT: CLARK, HILLARY
; APPLICANT: BRISDELL, HUNTE
; APPLICANT: JACKMAN, JANET
; APPLICANT: SCHOENFELD, JILL R.
; APPLICANT: WILLIAMS, P. MICKEY
; APPLICANT: WOOD, WILLIAM I.
; APPLICANT: WU, THOMAS D.
; TITLE OF INVENTION: Compositions and Methods for the Treatment of Immune
; TITLE OF INVENTION: Related Diseases

; FILE REFERENCE: P1948R1C1
; CURRENT APPLICATION NUMBER: US/11/537,311
; CURRENT FILING DATE: 2006-09-29
; PRIOR APPLICATION NUMBER: US 10/370,715
; PRIOR FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 60/359,461
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 742
; SEQ ID NO 346
; LENGTH: 1475
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-537-311-346

Query Match 4.9%; Score 114.5; DB 2; Length 1475;
Best Local Similarity 19.3%; Pred. No. 0.042;
Matches 80; Conservative 53; Mismatches 149; Indels 133; Gaps 16;

Qy 17 TVYLGASKTPASIFGPSAASHLLILFTLNFTITNLR-----YEENMWPGSRKFNTTE 68
: || | ||: | || | ||: || | : |
Db 380 SVYFKPSLTPSG-----EFRKTNQRIDNKCSTGYEKNMTPGQNR----E 419

Qy 69 RVLQGLLRPLFKNTSVGPLYSGCRLTLLRPEKDGEATGVDAICTHRPDPTGPGLDREQLY 128
: | | | | : | :: || | | | : :
Db 420 QRESGFSYPNFS-----LPAANGLSSGVGG-----GGGKMRRERH 454

Qy 129 LELSQLTHSITELGPYTLD RDSLYVNGFTHRSSVPT---TSTGVVSEEPFTLNFT--INN 183
:: | : | : || : ||: || : | : : | : : |
Db 455 AFVASKPLEEEEMEVPVLPKISLPITS---SSLPTFNFSSPEITTSSPSPINSSQALTN 510

Qy 184 LRYMADMGQPGSLKFNITDNVMKHL LSP LFQRSSLGARYTGCRVIALRSVKNGAETRVDL 243
| | | : :: | : : ||: | : | : : : :
Db 511 KVQMTSPSSSTGSPMFKFSSPIVKSTEANVLPPSSIG--FTFSVPVAKTAE LSGSSST--- 565

Qy 244 LCTYLQPLSGPGLPIKQVFHEL SQQTHGITRL-----GPY---SLDKDSLY 286
| : | : : | | : | : ||: : | :
Db 566 ----LEPI-----ISSSAHHVTTVNSTNCKKTPPEDCEGPFRPAEILKEGSV 608

Qy 287 LNGYNEPGPDEP-----PTTPKPATTFLPPLSEATTAMGYHLKTLTLNFTISNLQYS 338
| : || | || | : | : | : :
Db 609 LDILKSPGFASPKIDSVA AQPTATSPVYTRPAIS-----SFSSSGIGFG 653

Qy 339 PDMGKGSATFNSTEGVLQHLLRPLFQKSSMGPFYLG CQLISLRPEKDGAATGVDT 393
: ||: | | : || | | ||::|
Db 654 ESLKAGSSWQCDT-----CLLQNKVTDNKC IACQA AKLSPRDTAKQTGIET 699

RESULT 5
US-11-779-243-105
; Sequence 105, Application US/11779243
; Publication No. US20080051462A1
; GENERAL INFORMATION:
; APPLICANT: FRITZ, LAWRENCE C.
; APPLICANT: BURROWS, FRANCIS J.
; TITLE OF INVENTION: METHODS FOR TREATING GENETICALLY-DEFINED PROLIFERATIVE

; TITLE OF INVENTION: DISORDERS WITH HSP90 INHIBITORS
; FILE REFERENCE: CON-0010-USN
; CURRENT APPLICATION NUMBER: US/11/779,243
; CURRENT FILING DATE: 2007-07-17
; PRIOR APPLICATION NUMBER: US/10/469,469
; PRIOR FILING DATE: 2003-08-27
; PRIOR APPLICATION NUMBER: PCT/US02/06518
; PRIOR FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: 60/272,751
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 105
; LENGTH: 1395
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-779-243-105

Query Match 4.2%; Score 98; DB 2; Length 1395;
Best Local Similarity 19.6%; Pred. No. 1.1;
Matches 87; Conservative 67; Mismatches 149; Indels 142; Gaps 23;

Qy 11 STPGTPTV-----YLGASKTPASIFGPSAASHLLILFTLNFT---ITN 50
| ||| : | ||: || : |:| |:| :
Db 609 SLPGTPAMDKTSMVNM SHANPGLADYFGANRHPAGLTFPTAPG-----FSFSFPGLFPSG 663

Qy 51 LRYEENMWPGS---RKFNTTER-----VLQGLLRPLFKNTSVG---PLY 88
| : : | | : ::||: | :|: | |: || | :
Db 664 LYHRPPLIPASSPVKGLSSTEQTNKSQSPLMTHPQILPATQDILKALSKHPSVGDNKPVE 723

Qy 89 SGCRLTLRPEK-----DGEATGVDAICTHRPDPTGPGLDREQLYLELSQLTH 136
|:| |: |:: :| : | |:| |: |
Db 724 -----LQPERSSSEERPFEKISDQSESSDLDDVST----PSGSDLE-----TT 761

Qy 137 SITEL-GPYTLDRDSLYVNGFTHRSSV-PTTSTGVVSEEPFTLNFTINNLRYMADMGPQPG 194
| ::| |: : || : | | : :: : | :| : : :
Db 762 SGSDLES DIESDKEKFKENGKMFKDKVSPLQNLASINNKEYSNHSI----FSPSLEEQT 817

Qy 195 SLKFNITDNVMKHL LSP LFQRSSLGARYTGCR-VIALRSVKNGAETRVDLLCTYLQPLSG 253
:: : |: : :|: :| | :: |: | || |
Db 818 AVSGAVNDSIK-----AIASIAEKYFGSTGLVGLQDKKVGA-----LPY 856

Qy 254 PGLPIKQVFHEL SQQTHGI-----TRLGPYSLDKDSL YLNGYNE-----PGPDE 297
| : | || : :: | | : | :| ||
Db 857 PSMFPLPFFPAFSQSMYPFPDRDLRSLPLKMEPQSPGEVKKLQKGSSESFPDLTTKRKDE 916

Qy 298 PPTTPKPATTFLPPLSEATT-----AMGYHLKTLTLNFT--ISNLQYSPDMGKGSATF 348
| || |: ||: ||: :|| : | : | :
Db 917 KPLTPVPSK---PPVTPATSQDQPLDL SMGSRSRASGKLT EPRKNHVFGGKKGSNVESR 973

Qy 349 NSTEGVLQHLL-RPLFQKSSMGPFY 372
:::| || | | | |
Db 974 PASDGS LQHARPTPFF----MDPIY 994

RESULT 6

US-11-624-750-7

; Sequence 7, Application US/11624750
; Publication No. US20080003642A1
; GENERAL INFORMATION:
; APPLICANT: Novozymes A/S
; TITLE OF INVENTION: CONSTRUCTION OF HYBRID ENZYMES
; FILE REFERENCE: 10574-000
; CURRENT APPLICATION NUMBER: US/11/624,750
; CURRENT FILING DATE: 2007-09-19
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 718
; TYPE: PRT
; ORGANISM: Bacillus circulans

US-11-624-750-7

Query Match 4.0%; Score 94; DB 2; Length 718;
Best Local Similarity 19.3%; Pred. No. 1;
Matches 70; Conservative 45; Mismatches 128; Indels 120; Gaps 17;

Qy	40	ILFTLNFT-ITNLRYEENMWPGSRKFNTTERVLQGLLRPLFKNTSVGPLYSGCRLTLLRP	98
		: ::: :	
Db	117	IFATINYSGVNTNTAY-HGYW--ARDFKKTNP-----YFGTMADFQNL	155
Qy	99	EKDGEATGVDAICTHRPDPTGPGLDREQLYLELSQLTHSITELGPYTLDRDSLYVNGFTH	158
		: : : :: : : : :	
Db	156	ITTAHAKGIKIVIDFAPNHTSPAMETDTSFAENGRLYDNGTLVGGYTND-----TNGYFH	210
Qy	159	R---SSVPTTSTGVVSEEPFTLNFTINN-----LRYMADMGQPGSLKFNITDNVM	205
		: : : : : : :	
Db	211	HNGGSDFSSLENGIYKNLYDLADFNHNNATIDKYFKDAIKLWLDMGVDG-----IRVDAV	265
Qy	206	KHLLSPL-FQRSSLGARYTGCRVIA-----LRSVKNGAETRVDLLCTYLQPLSGPGL---	256
		: : : : : : :	
Db	266	KHM--PLGWQKSWMSSIYAHKPVFTFGEWFLGSAASDADN-----TDFANKSGMSLLDF	317
Qy	257	----PIKQVFH-----ELSQQTHGITRLGPYSLDK-----	282
		: : : : : : : : :	
Db	318	RFNSAVRNVFRDNTSNMYALDSMINSTATDYNQVNDQVTFIDNHMDRFKTSAVNNRRLE	377
Qy	283	-----DSLYLNGYNEP-GPDEPPTTPKPATTF-----LPPLSEATTA	318
		: : : : :	
Db	378	QALAFTLTSGVPAIYYGTEQYLTGNQDPNRAKMPSFSKSTTAFNVISKLAPLRKSNPA	437
Qy	319	MGY 321	
		:	
Db	438	IAY 440	

RESULT 7

US-10-692-382-14

; Sequence 14, Application US/10692382
; Publication No. US20080039413A1

; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS IN CANCER
; FILE REFERENCE: 529452002420
; CURRENT APPLICATION NUMBER: US/10/692,382
; CURRENT FILING DATE: 2007-09-25
; PRIOR APPLICATION NUMBER: US 10/691,209
; PRIOR FILING DATE: 2003-10-21
; NUMBER OF SEQ ID NOS: 3504
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 1002
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-692-382-14

Query Match 4.0%; Score 92; DB 1; Length 1002;
Best Local Similarity 24.0%; Pred. No. 2.5;
Matches 48; Conservative 24; Mismatches 90; Indels 38; Gaps 8;

Qy 136 HSITELGPYTLDRDSLYVNGFTH-RSSVPTTSTGV-----VSEEPFTLNFTINNLRYMAD 189
||: || : || : | | :|:| : | ||: : : |:| :||
Db 237 HSVVELAKFG-GRDLRVLPSPFFHMTASIPLSQVSVVSPDHVSDSTVSARISDNSLAPVAD 295

Qy 190 MGQPGSLKFNITDNVMKHLL--SPLFQRSSLGARYTGCRVIALRSVKNGAETRVDLLCTY 247
| : :: || | | |||| | | : :|: || ||
Db 296 FSYPAESSSCLDNSAAKHLQVKPRNQRSSKMRRLL-----SSRAQSESLDLTCT- 345

Qy 248 LQPLSGPGLPIKQVFHELSSQQTHGITRLGPYSLDKDSLXLNGYNEPGPDEPPTTPKPATT 307
| | : : : | : :| : || | ||
Db 346 -----P-----EEEENEKPLLEVSP-----EERPSSGQQDVAPDRGPEPGPPAPL 386

Qy 308 FLPLPSEATTAMGYHLKTLT 327
| : | | | ||
Db 387 PPPGGARARRARLQHSSALT 406

RESULT 8
US-10-692-382-1063
; Sequence 1063, Application US/10692382
; Publication No. US20080039413A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS IN CANCER
; FILE REFERENCE: 529452002420
; CURRENT APPLICATION NUMBER: US/10/692,382
; CURRENT FILING DATE: 2007-09-25
; PRIOR APPLICATION NUMBER: US 10/691,209
; PRIOR FILING DATE: 2003-10-21
; NUMBER OF SEQ ID NOS: 3504
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1063
; LENGTH: 1225

; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-692-382-1063

Query Match 3.9%; Score 91; DB 1; Length 1225;
Best Local Similarity 21.9%; Pred. No. 4;
Matches 92; Conservative 46; Mismatches 168; Indels 114; Gaps 21;

Qy 59 PGSRKFNTERVLQGLLRPL-----FKNTSVGPLYSGCRLTLLRPEKDGEATGVDAICTH 113
| :|:| | | | : | | | | :|:
Db 627 PRVQRFHSTHNVNPGPLPPCADRRGLRLQSHPSTDGGLRAYSPRPPSISENVAMEAVAA- 685

Qy 114 RPDPTGP----GLDREQLYLELSQLTHSITELGPYTLDRDSLIVNGFTHRSSVPTTSTGV 169
| | | | : | | : | | | | |
Db 686 GVDGAGPEADLGLPEDDLVLP-DDVVQYIKAHASGALDEGTGQV-----YPTTESTG- 735

Qy 170 VSEEPFTLNFTINNLRYM--AD-----MGQPGSLKFN----- 199
|: | : :| | | | | | | |
Db 736 FSDNPRLPSPGLHGQRRMVAADSNVGPSAPMLGGCQLGFGAPSSLNKNMMPVQWNEVSSG 795

Qy 200 ITDNVMKHLLSPLFQRSSLG-----ARYTGCRVIALRSVKNGAETRVDLLCTYLQPL 251
|: : : | | : :| : | : : :| :| :|||
Db 796 TVDSLASQVKPPFPQGNLAVVQOKPAFGQYPG---YSPQGLQDGG---LDSTQPHLQPR 849

Qy 252 SG---PGLPIKQVFHELSSQTHG-----ITRLGPYSLDKDSLXLNGYNEPGPDEPPTT- 301
|| |:| :| | | :|:| | : | |:|
Db 850 SGAPSQGIPRVNYMQQLRQPVAGSQCPGMTTITMSPHAC-----YGQVHPQLSPSTI 900

Qy 302 -----PKPATTFLPPLSEAT---TAMGYHLKTLTLNFTIS-----NLQYS 338
| | | :| | | : | : : :|
Db 901 SGALNQFPQSCSNMPAKPGHLGHPQQTEVAPDPTTMGNRHRELGVPSAGVPPPHPVQSY 960

Qy 339 PDMGKGSATFNSTEGVLQ--HLL---RPLFQKSSMGPFYL---GCQLISLRPEKDGAATG 390
| | | | | | :| | : | | : | | : :||
Db 961 PQQSHHLAASMSQEGYHQVPSLLPARQPGFMEPQTGPMGVATAGFLVQPRPPLEPSTG 1020

RESULT 9

US-10-692-382-1065

; Sequence 1065, Application US/10692382
; Publication No. US20080039413A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS IN CANCER
; FILE REFERENCE: 529452002420
; CURRENT APPLICATION NUMBER: US/10/692,382
; CURRENT FILING DATE: 2007-09-25
; PRIOR APPLICATION NUMBER: US 10/691,209
; PRIOR FILING DATE: 2003-10-21
; NUMBER OF SEQ ID NOS: 3504
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1065
; LENGTH: 1242
; TYPE: PRT

; ORGANISM: Homo sapiens
US-10-692-382-1065

Query Match 3.9%; Score 91; DB 1; Length 1242;
Best Local Similarity 21.9%; Pred. No. 4.1;
Matches 92; Conservative 46; Mismatches 168; Indels 114; Gaps 21;

Qy	59	PGSRKFNTTTERVLQGLLRPL-----FKNTSVGPLYSGCRLTLRPEKDGEATGVDAICTH	113
		: :: : : :	
Db	644	PRVQRFHSTHNVNPGPLPPCADRRGLRLQSHPSTDGGLRAYSPRPPSISENVAMEAVAA-	702
Qy	114	RPDPTGP----GLDREQLYLELSQLTHSITELGPYTLDRDSLIVNGFTHRSSVPTTSTGV	169
		: : :	
Db	703	GVDGAGPEADLGLPEDDLVLP-DDVVQYIKAHASGALDEGTGQV-----YPTTESTG-	752
Qy	170	VSEEPFTLNFTINNLRYM--AD-----MGQPGSLKFN-----	199
		: : ::	
Db	753	FSDNPRLPSPGLHGQRRMVAADSNVGPSAPMLGGCQLGFGAPSSLNKNNMPVQWNEVSSG	812
Qy	200	ITDNVMKHLLSPLFQRSSLG-----ARYTGCRVIALRSVKNGAETRVDLLCTYLQPL	251
		:: : : : : : : :: : :	
Db	813	TVDSLASQVKPPFPQGNLAVVQQKPAFGQYPG---YSPQGLQDGG---LDSTQPHLQPR	866
Qy	252	SG---PGLPIKQVFHELSQLQTHG-----ITRLGPYSLDKDSLXLNGYNEPGPDEPPTT-	301
		: : : :: : :	
Db	867	SGAPSQGIPRVNYMQQLRQPVAGSQCPGMTTMSPHAC-----YGQVHPQLSPSTI	917
Qy	302	-----PKPATTFLPPLSEAT---TAMGYHLKTLTLNFTIS-----NLQYS	338
		: : : :	
Db	918	SGALNQFPQSCSNMPAKPGHLGHPQQTEVAPDPTTMGNRHRELGVPDGAGVPPPHVQSY	977
Qy	339	PDMGKGSATFNSTEGVLQ--HLL---RPLFQKSSMGPFYL---GCQLISLRPEKDGAATG	390
		: : : : : :	
Db	978	PQQSHHLAASMSQEGYHQVPSLLPARQPGFMEPQTGPMGVATAGFGLVQPRPPLEPSPTG	1037

RESULT 10
US-10-692-382-1073
; Sequence 1073, Application US/10692382
; Publication No. US20080039413A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS IN CANCER
; FILE REFERENCE: 529452002420
; CURRENT APPLICATION NUMBER: US/10/692,382
; CURRENT FILING DATE: 2007-09-25
; PRIOR APPLICATION NUMBER: US 10/691,209
; PRIOR FILING DATE: 2003-10-21
; NUMBER OF SEQ ID NOS: 3504
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1073
; LENGTH: 1242
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-692-382-1073

Query Match 3.9%; Score 91; DB 1; Length 1242;
Best Local Similarity 21.9%; Pred. No. 4.1;
Matches 92; Conservative 46; Mismatches 168; Indels 114; Gaps 21;

Qy 59 PGSRKFNTERVLQGLLRPL-----FKNTSVGPLYSGCRLTLLRPEKDGEATGVDAICTH 113
| :|::| | | | : | | | | :|:
Db 644 PRVQRFHSTHNVPGLPPCADRRGLRLQSHPSTDGGLRAYSPRPPSISENVAMEAVAA- 702

Qy 114 RPDPTGP----GLDREQLYLELSQLTHSITELGPYTLDRDSLIVNGFTHRSSVPTTSTGV 169
| || || : | | : | | : | | ||
Db 703 GVDGAGPEADLGLPEDDLVLP-DDVVQYIKAHASGALDEGTGQV-----YPTESTG- 752

Qy 170 VSEEPFTLNFTINNLRYM--AD-----MGQPGSLKFN----- 199
|: | : :: | | || | | | |
Db 753 FSDNPRLPSPGLHGQRRMVAADSNVGPSAPMLGGCQLGFGAPSSLNKNMNPVQWNEVSSG 812

Qy 200 ITDNVMKHLLSPLFQRSSLG-----ARYTGCRVIALRSVKNGAETRVDLLCTYLQPL 251
|:: : | | : :| : | : : ::| :| :||
Db 813 TVDSLASQVKPPFPQGNLAVVQQKPAFGQYPG---YSPQGLQDGG---LDSTQPHLQPR 866

Qy 252 SG---PGLPIKQVFHELSSQTHG-----ITRLGPYSLDKDSLNLNGYNEPGPDEPPTT- 301
|| |:| :| | | : |:: | : | |:|
Db 867 SGAPSQGIPRVNYMQQLRQPVAGSQCPGMTTMSPHAC-----YGQVHPQLSPSTI 917

Qy 302 -----PKPATTFLPPLSEAT---TAMGYHLKTLTLNFTIS-----NLQYS 338
|| | :| || : | : : :|
Db 918 SGALNQFPQSCSNMPAKPGHLGHPQQTEVAPDPTTMGNRHRELGVPDAGVPPHPVQSY 977

Qy 339 PDMGKGSATFNSTEGVLQ--HLL---RPLFQKSSMGPFYL---GCQLISLRPEKDGAATG 390
| | | || | || :| | : || : | |: || : : ||
Db 978 PQQSHHLAASMSQEGYHQVPSLLPARQPGFMEPQTGPMGVATAGFGLVQPRPPLEPSPTG 1037

RESULT 11

US-11-812-518-364
; Sequence 364, Application US/11812518
; Publication No. US20080014590A1
; GENERAL INFORMATION:
; APPLICANT: Compugen Ltd
; TITLE OF INVENTION: Novel Nucleotide and Amino Acid Sequences, and Assays and Methods
; TITLE OF INVENTION: of use thereof for Diagnosis of Prostate Cancer
; FILE REFERENCE: 1847.1003
; CURRENT APPLICATION NUMBER: US/11/812,518
; CURRENT FILING DATE: 2007-07-05
; NUMBER OF SEQ ID NOS: 575
; SEQ ID NO 364
; LENGTH: 1645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-812-518-364

Query Match 3.9%; Score 91; DB 2; Length 1645;
Best Local Similarity 23.1%; Pred. No. 6;

```
Matches    76;  Conservative    48;  Mismatches    129;  Indels    76;  Gaps    18;

Qy          120 PGLDREQLYLELSQ-----LTHSITELGPYTLDRDSLYVNG-----FTHRSSVPTTS 166
              | | : | |||          |:| | | | : |:          |          :|          ||
Db          1188 PDLSQVTLSPELSQTNLSPDLSH--TTLSPELIQRNLSPALGQMPISPDLSH-----TTL 1240

Qy          167 TGVVSEEPFTLNFTINNLRYMADMGQPGSLKFNITDNVMKHLLSPLFQRSSLGARYTGCR 226
              :  :|          :|: :  ||          |          : |: :  : :  |||          :|          ::
Db          1241 SPDLSHTTSLDLSQTNL-----SPELSQTNLSPALGQMPLSPDLSHTTSLDLSQTN 1293

Qy          227 VIALRSVKNGAETRVDLLCTYLQPLSGPLPIKQVFHELSSQTHGI----TRLGPYSLDK 282
              |          :          :| | | | | :||          :|| | :          | | | | :
Db          1294 ---LSPELSHMTLSPELSQTNLSPALGQ-MPISP---DLSHTTSLDLSQTNLSP-ELSQ 1345

Qy          283 DSYLYNGYNEPGPDEPPTTPKPATTFL-----PPLSEATTAMGYHLKTLTLNFTI 332
              :|          |          : | :| |: | |          | ||: | :          | : |          :
Db          1346 TNL-----SPALGQMPLSPDPSHTTSLDLSQTNLSPELSQ--TNLSPDLSEMPLFADL 1397

Qy          333 SNLQYSPDMGKG--SATFNSTEGVLQHLLRPLFQKSSMGPFYLGCLISLRPEKDGAATG 390
              | :  :||: :  |          |:          | | | : |: |          :| | :
Db          1398 SQIPLTPDLQMTLSPDLGETD-----LSPNFGQMSLSP---DLSQVTLSPDIS----- 1443

Qy          391 VDTTCTYHPDPVGPGLDIQQLYW--ELSQ 417
              |||          : | | |: |: :  | ||
Db          1444 -DTTLLPDLSQISPPDLQIFYPSESSQ 1471
```

RESULT 12

US-11-812-518-365

```
; Sequence 365, Application US/11812518
; Publication No. US20080014590A1
; GENERAL INFORMATION:
; APPLICANT: Compugen Ltd
; TITLE OF INVENTION: Novel Nucleotide and Amino Acid Sequences, and Assays and Methods
; TITLE OF INVENTION: of use thereof for Diagnosis of Prostate Cancer
; FILE REFERENCE: 1847.1003
; CURRENT APPLICATION NUMBER: US/11/812,518
; CURRENT FILING DATE: 2007-07-05
; NUMBER OF SEQ ID NOS: 575
; SEQ ID NO 365
; LENGTH: 2074
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-812-518-365
```

```
Query Match          3.9%;  Score 91;  DB 2;  Length 2074;
Best Local Similarity 23.1%;  Pred. No. 8.3;
Matches    76;  Conservative    48;  Mismatches    129;  Indels    76;  Gaps    18;

Qy          120 PGLDREQLYLELSQ-----LTHSITELGPYTLDRDSLYVNG-----FTHRSSVPTTS 166
              | | : | |||          |:| | | | : |:          |          :|          ||
Db          1188 PDLSQVTLSPELSQTNLSPDLSH--TTLSPELIQRNLSPALGQMPISPDLSH-----TTL 1240

Qy          167 TGVVSEEPFTLNFTINNLRYMADMGQPGSLKFNITDNVMKHLLSPLFQRSSLGARYTGCR 226
              :  :|          :|: :  ||          |          : |: :  : :  |||          :|          ::
```

Db 1241 SPDLSHHTTSLDLSQTNL-----SPELSQTNLSPALGQMPLSPDLSHHTTSLDLSQTN 1293

Qy 227 VIALRSVKNGAETRVDLLCTYLQPLSGPGLPIKQVFHELSSQQTHGI----TRLGPYSLDK 282

| : :| | | | :|| :|| | : | | | :

Db 1294 ---LSPELSHMTLSPELSQTNLSPALGQ-MPISP---DLSHTTSLDLSQTNLSP-ELSQ 1345

Qy 283 DSYLYLNGYNEPGPDEPPTTPKPATTFL-----PPLSEATTAMGYHLKTLTLNFTI 332

:| | : | :| | : | | | ||: | : | : | :

Db 1346 TNL-----SPALGQMPLSPDPSHTTSLDLSQTNLSPELSQ--TNLSPDLSEMPLFADL 1397

Qy 333 SNLQYSPDMGKG--SATFNSTEGVLQHLLRPLFQKSSMGPFFYLGCLISLRPEKDGAATG 390

| : :||: : | | : | | : | :| |:

Db 1398 SQIPLTPDLQMTLSPDLGETD-----LSPNFGQMSLSP---DLSQVTLSPDIS----- 1443

Qy 391 VDTTCTYHPDPVGPGLDIQQLYW--ELSQ 417

||| : | | : |:: | ||

Db 1444 -DTTLLPDLISPPPDLDQIFYPSESSQ 1471

RESULT 13

US-11-812-518-392

; Sequence 392, Application US/11812518

; Publication No. US20080014590A1

; GENERAL INFORMATION:

; APPLICANT: Compugen Ltd

; TITLE OF INVENTION: Novel Nucleotide and Amino Acid Sequences, and Assays and Methods

; TITLE OF INVENTION: of use thereof for Diagnosis of Prostate Cancer

; FILE REFERENCE: 1847.1003

; CURRENT APPLICATION NUMBER: US/11/812,518

; CURRENT FILING DATE: 2007-07-05

; NUMBER OF SEQ ID NOS: 575

; SEQ ID NO 392

; LENGTH: 2224

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-812-518-392

Query Match 3.9%; Score 91; DB 2; Length 2224;

Best Local Similarity 23.1%; Pred. No. 9.2;

Matches 76; Conservative 48; Mismatches 129; Indels 76; Gaps 18;

Qy 120 PGLDREQLYLELSQ-----LTHSITELGPYTLDRDSLYVNG-----FTHRSSVPTTS 166

| | : | ||| | :| | | | :| :| | |

Db 1188 PDLSQVTLSPELSQTNLSPDLSH--TTLSPELIQRNLSPALGQMPISPDLSH-----TTL 1240

Qy 167 TGVVSEEPFTLNFTINNLRYMADMGPGLKFNITDNVMKHLLSPLFQRSSLGARYTGCR 226

: :| :||: : || | : |:: : : ||| :| ::

Db 1241 SPDLSHHTTSLDLSQTNL-----SPELSQTNLSPALGQMPLSPDLSHHTTSLDLSQTN 1293

Qy 227 VIALRSVKNGAETRVDLLCTYLQPLSGPGLPIKQVFHELSSQQTHGI----TRLGPYSLDK 282

| : :| | | | :|| :|| | : | | | | :

Db 1294 ---LSPELSHMTLSPELSQTNLSPALGQ-MPISP---DLSHTTSLDLSQTNLSP-ELSQ 1345

Qy 283 DSYLYLNGYNEPGPDEPPTTPKPATTFL-----PPLSEATTAMGYHLKTLTLNFTI 332

:| | : | :| | : | | | ||: | : | : | :

Db 1346 TNL-----SPALGQMPLSPDPSHTTSLDLSQTNLSPELSQ--TNLSPDLSEMP LFADL 1397

Qy 333 SNLQYSPDMGKG--SATFNSTEGVLQHLLRPLFQKSSMGPFYLG CQLISLRPEKDGAATG 390
| : :||: : | : | | : | : | : :| |:

Db 1398 SQIPLTPDL DQMTLSPDLGETD-----LSPNFGQMSLSP---DLSQVTLS PDIS----- 1443

Qy 391 VDTTCTYHPDPVGPGLDIQQLYW--ELS Q 417
||| : | |:|:: | ||

Db 1444 -DTTLLPDLSQISPPPDLDQIFYPSESSQ 1471

RESULT 14

US-11-812-518-393
; Sequence 393, Application US/11812518
; Publication No. US20080014590A1
; GENERAL INFORMATION:
; APPLICANT: Compugen Ltd
; TITLE OF INVENTION: Novel Nucleotide and Amino Acid Sequences, and Assays and Methods
; TITLE OF INVENTION: of use thereof for Diagnosis of Prostate Cancer
; FILE REFERENCE: 1847.1003
; CURRENT APPLICATION NUMBER: US/11/812,518
; CURRENT FILING DATE: 2007-07-05
; NUMBER OF SEQ ID NOS: 575
; SEQ ID NO 393
; LENGTH: 2224
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-812-518-393

Query Match 3.9%; Score 91; DB 2; Length 2224;
Best Local Similarity 23.1%; Pred. No. 9.2;
Matches 76; Conservative 48; Mismatches 129; Indels 76; Gaps 18;

Qy 120 PGLDREQLYLELSQ-----LTHSITE LGPYTLDRDSL YVNG-----FTHRSSVPTTS 166
| | : | ||| |:| | | : |: | :| ||

Db 1188 PDLSQVTLSPELSQTNLSPDL SH--TTLSPELIQ RNLSPALGQMPISPDL SH-----TTL 1240

Qy 167 TGVVSEEPFTLNFTINNLR YMADMGP GSKFNITDNVMKHLLSPLFQRSSLGARYTGCR 226
: :| :||: : || : |:: : : ||| :| ::

Db 1241 SPDL SHTTSLDLSQTNL-----SPELSQTNLSPALGQMPLSPDL SHTTSLDFSQTN 1293

Qy 227 VIALRSVKNGAETRVDLLCTYLQPLSGPGLPIKQVFHEL SQQTHGI----TRLGPYSLDK 282
| : :| | | | :|| :|| | : | | | | :

Db 1294 ---LSPELSHMTLSPELSQTNLSPALGQ-MPISP---DLSHTTSLDFSQTNLSP-ELS Q 1345

Qy 283 DSLYLNGYNEPGPDEPPTTPKPATTFL-----PPLSEATTAMGYHLKTLTLNFTI 332
:| : | :| |:| | | | ||: | : | :| :

Db 1346 TNL-----SPALGQMPLSPDPSHTTSLDLSQTNLSPELSQ--TNLSPDLSEMP LFADL 1397

Qy 333 SNLQYSPDMGKG--SATFNSTEGVLQHLLRPLFQKSSMGPFYLG CQLISLRPEKDGAATG 390
| : :||: : | : | | : | : | : :| |:

Db 1398 SQIPLTPDL DQMTLSPDLGETD-----LSPNFGQMSLSP---DLSQVTLS PDIS----- 1443

Qy 391 VDTTCTYHPDPVGPGLDIQQLYW--ELS Q 417
||| : | |:|:: | ||

Db 1444 -DTLLPDLSQISPPDLDQIFYPSESSQ 1471

RESULT 15

US-11-820-004-92

; Sequence 92, Application US/11820004

; Publication No. US20080008707A1

; GENERAL INFORMATION:

; APPLICANT: FREIMARK, BRUCE

; APPLICANT: VAN EPPS, DENNIS

; APPLICANT: CLARK, DEREK

; TITLE OF INVENTION: DENATURED COLLAGEN PEPTIDES AND USES THEREOF

; FILE REFERENCE: 30797-726.201

; CURRENT APPLICATION NUMBER: US/11/820,004

; CURRENT FILING DATE: 2007-06-28

; PRIOR APPLICATION NUMBER: 60/813,724

; PRIOR FILING DATE: 2006-06-14

; NUMBER OF SEQ ID NOS: 99

; SOFTWARE: PatentIn Ver. 3.3

; SEQ ID NO 92

; LENGTH: 2944

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-820-004-92

Query Match 3.9%; Score 90.5; DB 2; Length 2944;
Best Local Similarity 23.3%; Pred. No. 15;
Matches 90; Conservative 38; Mismatches 150; Indels 109; Gaps 17;

```
Qy      21 GASKTPASIFGPSAASHLLILFTLNFTITNLRYEENMWPGSRKFNTTTERVLQG----- 73
      |::||:| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     321 GTARTTA-LEGPE-----LTIQNTTAHSLLVAWRSVPGATGYRVTWRVLSGGPTQQQE 372

Qy      74 -----LLRPLFKNT-----SVGPLYSGCRLTLRPEKDGEATGVDAICTH 113
      ||| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     373 LGPGQGSVLLRDLEPGTDYEVTVSTLFGRSVGPATS----LMARTDASVEQ-----TL 421

Qy     114 RPDPTGP-----GLDREQLYLELSQLT-HSITELGPYTLDR 148
      || | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     422 RPVILGPTSILLSWNLVPEARGYRLEWRRETGLEPPQKVVLPSDVTRYQLDGLQPGTEYR 481

Qy     149 DSLYVNGFTHRSSVPTTSTGVVSEEPFTLNFTINNLRYMADMGQ-----PGSLKFN 199
      :|| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     482 LTLYTLLEGHEVATPATVVP TGPELPVS---PVTDLQATELPGQVRVRSWSPVPGATQYR 538

Qy     200 I----TDNVMKHLLSPLFQRS-----SLGARYTGCRVIALRSVKNGAETRVDLLCTYLQ 249
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     539 IIVRSTQGVERTLVLPQSQTAFDLDDVQAGLSYT-VRVSARVGPREGSASVLTVRREPET 597

Qy     250 PLSGPGLPIKQVFHELSSQQTHGITRLGPYSLDKDSLYLNGYNPGPDEPPTTPKPATTFL 309
      ||: ||| : : | | | | | | | | | | | | | | | | | | | | | |
Db     598 PLAVPGLRV----VVSDATRVRVAWGPVP-GASGFRISWSTGSGPESSQT-----L 643

Qy     310 PPLSEATTAMGYHLKTLTLNFTISNLQ 336
      || | | | | | | | | | | | | | | | | | | | | | | | | | | |
```

Db 644 PPDSTATDITGLQPGT-TYQVAVSVLR 669

Search completed: March 11, 2008, 01:51:08
Job time : 30 secs

SCORE : 0